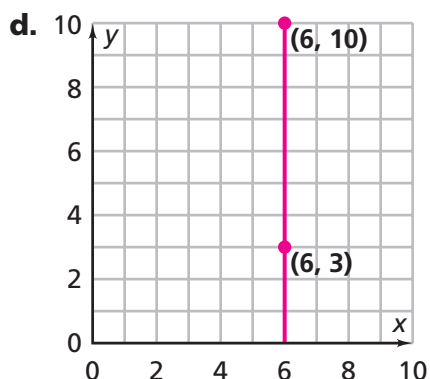
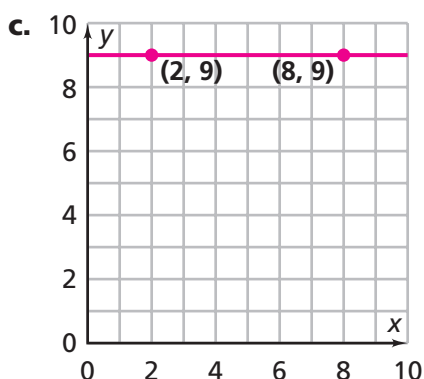
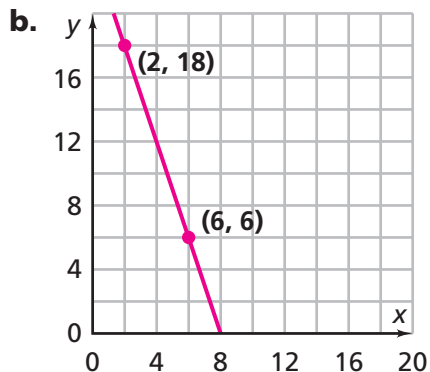
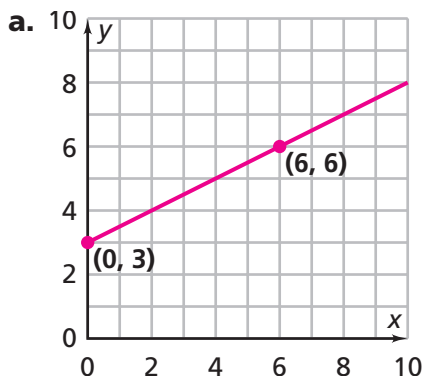


6. Find the slope, y -intercept, and equation for each line.



The relationships in Exercises 7–10 are linear.

7. a. A typical American baby weighs about 8 pounds at birth and gains about 1.5 pounds per month for the first year of life. What equation relates weight w in pounds to age a in months?
 b. Can this model be used to predict weight at age 80? Explain.
8. Kaya buys a \$20 phone card. She is charged \$0.15 per minute for long-distance calls. What equation gives the value v left on her card after she makes t minutes of long-distance calls?
9. Dakota lives 1,500 meters from school. She leaves for school, walking at a speed of 60 meters per minute. Write an equation for her distance d in meters from school after she walks for t minutes.
10. A car can average 140 miles on 5 gallons of gasoline. Write an equation for the distance d in miles the car can travel on g gallons of gas.

